

THE  
RURAL DISTRICT COUNCIL  
OF  
HARTSHORNE & SEALS.

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*Annual Report*

OF THE  
*MEDICAL OFFICER OF HEALTH*

For the Year 1914.

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RODERIC LOGAN, M.R.C.S., ENG.,

*Medical Officer of Health.*

*February, 1915,*

*Ashby-de-la-Zouch.*



ASHBY-DE-LA-ZOUCH,

*February, 1915.*

TO THE RURAL DISTRICT COUNCIL OF HARTSHORNE & SEALS.

MR. CHAIRMAN AND GENTLEMEN,

I beg to present to you my Annual Report upon the Sanitary state of your District for the year 1914.

Tables of death, new cases of infectious disease, and Vital Statistics are appended, with tables of Inspector's work during the year.

The Vital Statistics are calculated per 1,000 persons living.

# HARTSHORNE AND SEALS.

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## ANNUAL REPORT, 1914.

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### GENERAL STATISTICS.

1. Elevation of District, 227 to 537 O.D.

GEOLOGY, Coal Measures and Clay, except Tickenhall (Limestone).

AREA, Land 11,506. Water 65 acres. Total 11,571 acres.

	Census, 1901.	Census, 1911.	Estimated, 1914.
Population ...	6988	7939	8184
Inhabited Houses	1470	1712	1834

New Houses erected during the year, 5.

Rateable Value, £38,554. Assessable Value, £.....

General District Rate, 7d. in the £1.

### VITAL STATISTICS.

Birth Rate.	General Death Rate.	Infantile Mortality.
25·78	11·85	87

Epidemic Diseases Death Rate.	Phthisis Death Rate.
0·48	0·36

Respiratory Diseases.

1·46.

The following table gives the Birth Rate and Death Rate of the separate parishes and cases of infectious diseases:—

	Pop.	Birth Rate.	Death Rate.	Inf. Mort.	Infect. Cases.	Tuberculosis.
Woodville	2908	24'7	11'6	97	17	5
Hartshorne	1415	33'8	14'8	83	4	4
Netherseal	712	14'00	5'6	100	1	—
Overseal	1849	34'67	10'8	96	10	21
Tickenhall	792	22'7	12'6	111	1	—
Smisby	388	36'08	15'4	nil	—	—
Boundary	65	46'1	15'38	nil	—	2
Calke	54	37'03	18'51	nil	—	—

The following table shows the number of males and females over ten years of age employed in nine classes of occupations, and the number of deaths in each class:—

	I.		II.		III.		IV.		V.	
	Professional.		Conveyance.		Agriculture.		Mining.		Metal Workers.	
	No.	Deaths.	No.	Deaths.	No.	Deaths.	No.	Deaths.	No.	Deaths.
M.	187	0	134	0	390	9	743	6	70	0
F.	327	0	1	0	31	—	—	—	1	—

  

	VI.		VII.		VIII.		IX.	
	Building.		Potteries.		Textile.		All other occupations.	
	No.	Deaths.	No.	Deaths.	No.	Deaths.	No.	Deaths.
M.	147	0	722	4	11	1	290	11
F.	1	—	81	—	23	—	106	2

Water  
supply.

Woodville is supplied from the Milton Reservoirs and Hartshorne from the Several Wood springs.

Netherseal is supplied by wells only.

Overseal is also dependent on wells, and the water in Woodville Road is very unsatisfactory. The occupiers have been supplied by cartage of water by the Moira Colliery Company. If it is possible to extend the mains of the Ashby and Swadlincote Water Company—which end close by at Spring Cottage—to this section of the village, it would be a great advantage to the occupiers.

Overseal can be supplied by the Ashby and Swadlincote Mains, which already extend to Spring Cottage, on the borders of the parish. But the water supply of Netherseal is by no means satisfactory, the wells being liable to pollution and some have already been found to be polluted. Other villages in the neighbouring district of Ashby-de-la-Zouch Rural, such as Oakthorpe, Donisthorpe and Measham, are without a public water supply. I venture to suggest consultation with this district Authority as to the possibility of a combined scheme to supply the five villages. Your Sanitary Inspector has examined the possible supplies at Grange Wood and Seal Pastures and is of opinion that there is not sufficient water to be obtained at either or both places together. It is possible that there is sufficient supply obtainable at Chilcote, but this would require a pumping station to supply the five villages. Whatever the expense may be the larger the population supplied the more economical it will be for the Authorities concerned, and that is why I suggest to your consideration a combined scheme.

Tickenhall water scheme has been carried out and the village is now supplied with an ample quantity of water from the upland springs. The reservoirs have a capacity of 22,300 gallons. A windmill pumps the supply from the collecting well to the reservoirs. Standpipes have been erected to supply all small sections of cottage property, and one is placed in the schoolyard, but the supply should be laid on to the lavatory and closets of the school. The main street (which means practically the whole village) has been supplied from the extreme Ashby end to the last house on the Derby Road. The supply will be free to the occupiers. This scheme involves a water rate of 1/2 in the £1.

Rivers and  
Streams.

In Hartshorne the pollution of the brook has been greatly reduced by the improvements recently made in the sewerage of the village.

In Woodville there is now less pollution.

In Overseal there is occasional pollution from the Woodville Road sewage outfall.

In Netherseal there is very slight pollution.

In Tickenhall there is practically no pollution.

In all cases sewage is slop water only, except Woodville where there are W.C.s in use.

In Woodville the contact beds are being converted into percolating filters. They have been thoroughly cleaned.

Drainage  
and  
Sewage.

Hartshorne. This village has recently had a complete water supply carried out to its great advantage, but also at heavy expense. A complete scheme of sewerage and outfall works would probably cost another £5,000. A modified scheme has therefore been carried out. The ditch in front of the school has been piped in. The pollution of the ditch on the main road has been prevented by an intercepting tank. Five other intercepting tanks catch the solids at various points, the effluent being in each case irrigated over grass land before reaching the brook. Collections of sewage causing nuisances at various points are now entirely prevented. The pollution of the brook has been greatly reduced.

In Overseal the sewage from Gorsey Leas is carried in an open ditch to discharge into Barratt Pool. Part of Woodville road—(Church End) the main street between this and the Moira road—the Netherseal road and Dog lane discharge their sewage into a long open ditch (500 yards) which finally discharges into a small brook. There is a cesspit, with irrigation over grass land in Nixon's field, taking the Burton road sewage. Outfall works near the canal take the Woodville road sewage, and another small precipitation tank with filter beds takes the sewage from Shorth Heath.



In Netherseal the sewage is collected in tanks, the overflow being irrigated in open ditches. The village is well sewered.

In Tickenhall the condition remains unchanged, but a great many repairs to house drains, etc., have been carried out during the last 18 months under the Housing and Town Planning Act, 1909.

Excrement Disposal.	P. Middens	Pail Closets.	W.Cs.	Slop Water Closets.
	Whole district	30	156	6

except Woodville.

45 P. Middens have been converted into W.Cs.

17 P. Middens have been found defective and 17 have been remedied.

In Woodville and Overseal contractors remove the refuse. In the rest of the district, it is dealt with by the occupiers, who dispose of it on the land.

#### Schools.

Netherseal School is being improved by the removal of the present opaque glass windows. The small class-room has been enlarged to double its former size, with increased lighting and sufficient ventilation. The closets and urinal are removed, and new closets for both boys and girls erected at a distance from the main buildings. The walls require repainting and the school more frequent cleaning.

At Woodville, the Council School remains in the old unsatisfactory building, but the erection of the New School has been commenced and is nearing completion.

Tickenhall School requires the new water supply to be brought into the school to tap in the lavatory, and a tap fixed to flush the closets and urinal.

Overseal Church of England School requires, too, a sufficient water supply for lavatory purposes. The



lighting is not good, although there are plenty of windows—owing to the design partly, and partly to the opaque glass used in the main room—but the lighting in all the schools in which it is defective would be much improved by more frequent cleaning of the windows. All the opaque and coloured glass should be removed from the windows.

Medical  
Inspection.

With regard to Medical Inspection of both the buildings and the children, this is carried out under the direction of the Education Authority with the County Medical Officer as Chief School Medical Officer. As Medical Officer of Health I am also a School Medical Officer. All entrants (ages 5 or 6) and leavers (from age 12 upwards) are inspected every year. I inspect all entrants in the autumn and all leavers in the spring: at every inspection special cases are brought to me for inspection by the headmaster or mistress. When necessary, children are referred to their usual Medical Attendant for treatment. Cases of defective vision are either so referred or else sent direct to the special oculist retained by the Education Authority. A centre has been established at Swadlincote for this purpose.

189 Entrants have been examined, of these :—

- 33 were found to be Verminous.
- 2 had Defective Vision.
- 3 Defective Hearing.
- 38 Obstruction to breathing by Adenoids or Enlarged Tonsils.
- 1 was Deformed.
- 7 Dull or Backward.
- 1 Epileptic.
- 1 Tuberculosis and 2 Contacts.
- 1 Mentally Deficient.
- 7 other Diseases.

186 Leavers were examined.

31 Verminous.

50 had Defective Vision.

3 had Defective Hearing.

31 Nasal Obstruction.

23 Dull or Backward.

1 Tuberculosis.

1 Mentally Deficient.

16 Goitre.

11 other Diseases.

2 Deformed.

68 Special Cases.

9 Defective Vision.

3 Defective Hearing.

14 Obstruction by Adenoids, etc.

13 Tuberculosis and 9 Contacts.

1 Dull and Backward.

4 Mentally Deficient.

3 Epilepsy.

6 other Diseases.

The verminous cases are dealt with by the School Nurse, and the teachers are also of great assistance in inculcating and encouraging cleanliness of person in the children. The cases of defective vision are referred to Dr. Carr. Great delay has been met with in the relief of cases of enlarged Tonsils and Adenoids. I am glad to note that a School clinic for this purpose has been started at Derby. 15 cases of Tuberculosis have been found in the 375 children examined.

141 cases exclusive of defects of vision were referred for medical treatment. These cases are kept under observation as far as possible until defects are remedied. I visit the schools and enquire from the teachers the result of the medical notice (Form G or F). In some cases I have also visited the homes; in others the Nurse is instructed to visit to secure the attention of the parents to the child's condition. Each case is reported systematically to the Education Authority.

Burton Tuberculin Dispensary deals with Tuberculosis children from this district. Several cases have been referred to the Clinic at Derby, for Tonsils, etc. Chesterfield Sanatorium is available now for Tuberculous cases.

There is a very much better attendance of parents at the Medical Inspections, as many as 95 per cent. have attended at 5 schools.

I have paid 38 visits to schools and departments in connection with outbreaks of Infectious Disease and the further supervision of individual cases.

Housing. 54 houses have been inspected. In 8 water supply is defective, but 4 cases have been already remedied.

In 40 defects causing damp were found and 13 have been remedied.

In 22 the paving of courts was defective and 16 have been repaired.

Defective ventilation in 41, 11 remedied.

1 case of overcrowding was found and abated.

36 cases of insanitary or defective closet accommodation found and 16 remedied.

8 defective drains were found and 1 has been remedied.

1 house unfit for human habitation was found and 1 closing order made. 1 house was closed.

5 new houses have been erected.

The majority of the cottages are 4-roomed and the average rent is 3/9.

Factories  
and  
Workshops.

There have been 31 inspections made of Factories, Workshops and Workplaces in the district. 6 written notices have been issued and complied with for various sanitary defects:—

Want of cleanliness 5; Insufficient sanitary accommodation 2; Unsuitable accommodation 2. All these have been remedied.

In three cases the special requirements for Bake-houses were not fulfilled. These have also been remedied.

There are 10 Factories, 35 Workshops and 8 Work-places in the district.

9 notices have been received from H.M. Inspector, and 6 reports to H.M. Inspector have been made.

There are no underground bakehouses.

Outworkers.

3 lists have been received of 19 outworkers engaged in stocking knitting, 2 at Woodville, 17 at Tickenhall. No case of infectious disease has occurred amongst these.

Sanitary  
Adminis-  
tration.

Swannington Hospital has been in use during the year, and has been occupied throughout by cases from the Ashby Rural District and this district. The management and nursing is now entirely satisfactory, but the accommodation is not sufficient for the requirements of the two districts. This district has now been constituted a Hospital District, under the Isolation Hospitals' Acts of 1893 and 1901, by the order of the Derbyshire County Council. This enables your Council to join the Ashby-de-la-Zouch Urban and Rural District Councils in the provision of an Isolation Hospital to serve the joint districts.

8 cases of Scarlet Fever have been notified, of which 1 was removed to the Isolation Hospital. There were no deaths from this disease.

14 cases of Diphtheria were notified and 2 deaths occurred from this disease. Antitoxin was supplied gratis to every case, and the diagnosis was verified at the County Laboratory in most of the cases.

1 case of Enteric was notified with one death. The source of infection could not be traced.

2 cases of Puerperal fever and 8 of Erysipelas were also notified.

	Small Pox	Scarlet Fever	Diphtheria	Enteric Fever	Puerperal Fever	Erysipelas
No. of cases notified		8	14	1	2	8
Do. removed to Hospital ...		1				
No. of cases which ought to have been removed, but could not owing to lack of accommodation						
Return Cases...None						

**Tuberculosis** 20 cases of Pulmonary Tuberculosis have been notified and 3 deaths have been registered. Three shelters have been provided and are still in use. Two have had Sanatorium treatment at Bournemouth.

All these cases have been visited by me. They have also been visited monthly by the Health Visitor, and all necessary sanitary improvements required have been attended to. The houses are disinfected after death.

Chesterfield Sanatorium is now available for cases from this district and children can be accommodated there, but no case has been admitted as yet from this district. As I pointed out in my last Annual Report the treatment of children at home is very unsatisfactory as a rule, whether in the house or in a shelter. Surgical cases are treated at Burton or Derby Infirmaries, but most of these require the more hygienic conditions of a Convalescent home or a Sanatorium for their complete recovery after they leave the hospital. 24 cases under the age of 15

and 10 contacts in addition under 15 demonstrate the importance of this question of the treatment of Tuberculosis in children alone.

12 cases of Tuberculosis (other forms than Phthisis) have also been notified. These include 7 cases of Tubercular glands of the neck, two of Tubercular disease of Peritoneum (abdomen), and one each of Tuberculosis of knee joint, elbow joint, and thighbone.

Of the 32 cases, 24 were under the age of 15, and 11 of these were cases of Phthisis. Several of the children have undergone tuberculin treatment at Burton Dispensary. 6 cases were treated at Burton Infirmary, and thence transferred to domiciliary treatment at home.

6 cases were notified under Medical Inspection of School Children, and 6 under the Hospital Regulations, 1911. No case has been notified under the Poor Law Regulations, 1908.

The work of the Health Visitor, who is also the School Nurse, has been most carefully and systematically performed, and is much appreciated by the people concerned.

Non-  
notifiable  
Infectious  
Disease.

There has not been nearly so much infectious disease amongst the children this year as usual. The chief have been Mumps, Measles and Whooping Cough, but no school has been closed during the year. The notification of such diseases to me as School Officer has been carefully carried out by the School Authorities.

Food Supply.	No. Reg.	Insp. made.	Notices served	Defects Remedied
Cowhouses	59	124	20	16
Dairies Milkshops }	2	2	—	—
Bakehouses	14	23	3	3
Slaughterhouse	18	16	4	5



No. of Cows, 700 approxiately.

No prosecution has been required for non-compliance to remedy Sanitary defects.

No seizure of unwholesome food has been made. 102 articles for consumption as food have been voluntarily surrendered for destruction.

No Tuberculous meat has been found. 3 cases of Tuberculosis in cows have been reported and dealt with.

Infantile  
Mortality.

The Infantile mortality is 87 per 1000 births registered. 20 children died under the age of one year, and 7 of these deaths occurred in the first four weeks of life, 2 being due to premature birth and 6 due to debility. One death was caused by whooping cough.

The Vital Statistics of the District are appended in four tables as required by the Local Government Board.

I am, Gentlemen,

Your obedient Servant,

RODERIC LOGAN,

*Med. Officer of Health.*



# Annual Report of Sanitary Inspector.

1914.

## HARTSHORNE AND SEALS RURAL SANITARY DISTRICT

NAME OF INSPECTOR. NORMAN F. SPENCE.

Area of District—11,571 Acres.

Estimated No. of Houses—1834.

New Houses erected 1914—5.

### HOUSING AND TOWN PLANNING—

No. of Houses Inspected under Section 17.	No. Unfit for Habitation.	Representations made to Local Authority as to Closing Orders	Closing Orders Made.	Number Repaired without Closing Order.	Number Repaired after Closing Order made
54	1	1	1	50	None.
Number Closed.	Number Demolished.	Number Repaired Voluntarily.	Number of Informal Notices Served by Sanitary Inspector	Number of Legal Notices Served by Local Authority.	Number of Nuisances Abated with or without Notice.
1	None.	—			

### DRAINAGE—

No Disconnection of Waste Pipe ...		
Defective Traps, Inlets, and Drains ...	3	3
Drains Obstructed ...	40	46

### CLOSETS AND ASHPITS—

Insanitary Privies, Pail Closets & Ashpits	15	17
Additional Closet Accommodation ...	2	2
Conversion of Privies into W.C.'s ...	45	25
Conversion of Pail Closets into W.C.'s		
Defective Water Closets ...		

### OTHER DEFECTS—

Paving of Courts and Yards ...	13	13
Eaves-Spouts and Down-Spouts ...	13	13
Urinals Defective ...		
Water Supply ...	40	40
Offensive Accumulations ...	384	384
Animals improperly kept ...		
Pigsties ...	4	4
Smoke Nuisances ...		
Overcrowding ...	1	1
Water in Cellars ...		
Foul Condition of Houses ...	2	2
Nuisances not specified above ...		

Totals ... 562 15 547

	Number on Register.	Inspections Made.	Notices Served.	Nuisances Abated with or without Notice.
Dairies, Cowsheds, and Milkshops ...	59	124	20	16
Bakehouses ...	14	23	3	3
Slaughterhouses ...	18	16	4	5
Offensive Trades ...	None			
Common Lodging-houses ...	None			
	91	163	27	24

Infected Rooms Disinfected—24. Method—Sulphur Candles.

Samples submitted for Examination. Water—26. Milk—

Prosecutions, Particulars of.—None.

Food Seizures—None.

Food Voluntarily Surrendered—102. Chiefly tinned goods.

Other Action taken.

Signed, NORMAN F. SPENCE.

TABLE I.

Vital Statistics of Whole District during 1914 and previous Years.

YEAR	Population esti- mated to Middle of each Year	BIRTHS			TOTAL DEATHS REGISTERED IN THE DISTRICT		TRANSFER- ABLE DEATHS		NETT DEATHS BELONGING TO THE DISTRICT			
		Uncorrected Number	Nett		Number	Rate	Non-residents of District registered in the District	Residents not registered in the District	Under Year of Age		At all Ages	
			Number	Rate					Number	Rate per 1000 Nett Births	Number	Rate
1	2	3	4	5	6	7	8	9	10	11	12	13
1909	8089		208	25·6	96	11·8		2	28	135	98	12·06
1910	8243	236	236	28·6	81	9·7		1	22	93	82	9·9
1911	7963	238	241	30·2	88	11·05		12	28	116	100	12·5
1912	8060	214	214	26·55	67	8·31		6	9	42	73	9·05
1913	8118	230	230	28·33	95	11·7		9	25	108	114	14·04
1914	8184	229	230	25·78	85	10·38		12	20	87	97	11·85

Area of District in acres (land and inland water) ... 11571

Total population at all ages ...	...	...	...	7939	} At Census, 1911.
Number of inhabited houses...	...	...	...	1712	
Average number of persons per house	...	...	...	4·6	

TABLE II.

## Cases of Infectious Disease notified during the year 1914.

NOTIFIABLE DISEASE	NUMBER OF CASES NOTIFIED							TOTAL CASES NOTIFIED IN EACH LOCALITY (e.g. Parish or Ward) of the District						TOTAL CASES REMOVED TO HOSPITAL	
	At all Ages	At Ages—Years						Wood- ville	Harts- home	Overseal	Nether- seal	Ticken- hall	Bound- ary		
		Under 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65								65 and upwards
Small-pox ... ..															
Cholera ... ..															
Diphtheria (including Membran- ous croup) ... ..	14	2	10	2				10		4					
Erysipelas ... ..	8					5	3	4	2	1		1			
Scarlet fever ... ..	8		7			1			2	5	1				1
Typhus fever ... ..															
Enteric fever ... ..	1					1		1							
Relapsing fever ... ..															
Continued fever ... ..															
Puerperal fever ... ..	2					2		2							
Cerebro-spinal Meningitis ... ..															
Poliomyelitis ... ..															
Ophthalmia Neonatorum ... ..	20		14	1		5		4		15			1		
Pulmonary Tuberculosis ... ..	12	1	8	1		2		1	4	6			1		
Other forms of Tuberculosis ... ..															
Totals ... ..	65	3	39	4	16	3		22	8	31	1	1	2		1

Name of District—Hartshorne and Seals.

Isolation Hospital—Swannington, Ashby Rural District.

### Causes of, and Ages at Death during the Year 1914.

[illegible]

TABLE IV.  
Infant Mortality.

1914. Nett Deaths from stated causes at various Ages under 1 Year of Age.

CAUSES OF DEATH		Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 4 weeks	1-3 months	3-6 months	6-9 months	9-12 months	Total deaths under 1 year
All causes	{ Certified Uncertified										
Small-pox ... ..											
Chicken-pox ... ..											
Measles ... ..											
Scarlet fever ... ..											
Whooping-Cough ... ..							1				1
Diphtheria and Croup ... ..											
Erysipelas ... ..											
Tuberculous Meningitis ... ..											
Abdominal Tuberculosis ... ..											
Other Tuberculous Diseases											
Meningitis ( <i>not Tuberculous</i> )											
Convulsions ... ..							1		1	1	3
Laryngitis ... ..											
Bronchitis ... ..							1		2		3
Pneumonia (all forms) ... ..											
Diarrhoea ... ..											
Enteritis ... ..											
Gastritis ... ..											
Syphilis ... ..											
Rickets ... ..											
Suffocation, overlying ... ..											
Injury at birth ... ..											
Atelectasis ... ..											
Congenital Malformations		1				1		1			1
Premature birth ... ..		2				2				1	1
Atrophy, Debility and Marasmus ... ..		4		2	1	7					
Other Causes ... ..							1				1
Totals		7		2	1	10	4	1	3	2	10
Nett Births in the year	{ legitimate... 230 illegitimate....	Nett Deaths { legitimate infants—20 in the year of { illegitimate infants...									

In recording the facts under the various headings of Tables I., II., III. and IV., attention has been given to the notes on the Tables.

R. LOGAN,  
*Medical Officer of Health.*



